

Homework Page 119-120 Questions 14-17

- 14.** The sum of two fractions is $\frac{7}{12}$.
The product of the same two fractions is $\frac{1}{12}$. What are the two fractions?
Describe the strategy you used.
- 15.** Multiply. Estimate to check the product is reasonable.
- a) $\frac{33}{40} \times \frac{15}{55}$
 - b) $\frac{26}{39} \times \frac{9}{13}$
 - c) $\frac{51}{64} \times \frac{8}{17}$
 - d) $\frac{76}{91} \times \frac{7}{19}$
- 16.** a) Multiply $\frac{24}{25} \times \frac{85}{96}$ using each strategy below.
- i) Simplify before multiplying.
 - ii) Multiply first, then simplify.
- b) Which strategy in part a did you find easier? Justify your choice.
- 17.** The product of 2 fractions is $\frac{3}{4}$.
What might the fractions be?
How many pairs of fractions could have a product of $\frac{3}{4}$? How do you know?